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(54) METHOD FOR MEASURING GLUCOSYLATED PROTEIN**(57)Abstract:**

PROBLEM TO BE SOLVED: To provide a new method for accurately measuring a glucosylated protein in a short time by simple operations on the basis of a principle different from existing enzymatic methods.

SOLUTION: This method for measuring a glucosylated protein in a sample comprises treating the sample containing the glucosylated protein with a protease to release glucosylated peptides, preferably α -glucosylated peptides, especially preferably α -glycosylated dipeptides, from the glucosylated protein, treating the released glycosylated peptides with an oxidase, and then measuring the produced hydrogen peroxide, or measuring the released glucosylated peptides with HPLC. And a measuring reagent kit used for the enzymatic method.

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